

WHAT IS CLAIMED IS:

- ✓ 1. An information processing device comprising:
- sound signal obtaining means for obtaining a sound signal;
 - sound signal analyzing means for frequency-analyzing said obtained sound signal;
 - frequency-analyzed picture producing means for producing a specified frequency-analyzed picture on the basis of a result of said frequency-analysis;
 - selected picture switching means that switches and selects one among a plurality of registered pictures as a selected picture on the basis of a level of said obtained sound signal; and
 - composed picture display means that displays a composed picture produced by composing said frequency-analyzed picture and said selected picture.
2. The information processing device according to claim 1, wherein
- said composed picture display means produces said composed picture by logically operating a picture element of said frequency-analyzed picture and a corresponding picture element of said selected picture.
3. The information processing device according to claim 1, wherein

said composed picture display means changes a composing method of said frequency-analyzed picture and said selected picture on the basis of a level of said obtained sound signal.

4. The information processing device according to claim 2, wherein

said composed picture display means changes a composing method of said frequency-analyzed picture and said selected picture on the basis of a level of said obtained sound signal.

5. An information processing device comprising:

sound signal obtaining means for obtaining a sound signal taken in from a microphone;

sound signal analyzing means for frequency-analyzing said obtained sound signal;

frequency-analyzed picture producing means for producing a specified frequency-analyzed picture on the basis of a result of said frequency-analysis;

storing means for storing a plurality of pictures;

selected picture switching means that switches and selects one among a plurality of said registered pictures as a selected picture on the basis of a level of said obtained sound signal; and

composed picture display means that displays a composed picture produced by composing said frequency-analyzed picture and said selected picture.

6. The information processing device according to claim 5,
wherein

said composed picture display means produces said composed picture by logically operating a picture element of said frequency-analyzed picture and a corresponding picture element of said selected picture.

7. The information processing device according to claim 5,
wherein

said composed picture display means changes a composing method of said frequency-analyzed picture and said selected picture on the basis of a level of said obtained sound signal.

8. The information processing device according to claim 6,
wherein

said composed picture display means changes a composing method of said frequency-analyzed picture and said selected picture on the basis of a level of said obtained sound signal.

9. A picture producing method comprising the steps of:
obtaining a sound signal;
frequency-analyzing said obtained sound signal;
producing a specified frequency-analyzed picture on the basis of a result of said frequency-analysis;

switching and selecting one among a plurality of registered pictures as a selected picture on the basis of a level of said obtained sound signal; and

displaying a composed picture produced by composing said frequency-analyzed picture and said selected picture.

10. The picture producing method according to claim 9, wherein said step of displaying a composed picture produces said composed picture by logically operating a picture element of said frequency-analyzed picture and a corresponding picture element of said selected picture.

11. The picture producing method according to claim 9, wherein said step of displaying a composed picture changes a composing method of said frequency-analyzed picture and said selected picture on the basis of a level of said obtained sound signal.

12. The picture producing method according to claim 10, wherein said step of displaying a composed picture changes a composing method of said frequency-analyzed picture and said selected picture on the basis of a level of said obtained sound signal.

13. A program storing medium that makes an information processing device execute a program, said medium comprising the steps of:
obtaining a sound signal;

frequency-analyzing said obtained sound signal;
producing a specified frequency-analyzed picture on the basis
of a result of said frequency-analysis;

switching and selecting one among a plurality of registered
pictures as a selected picture on the basis of a level of said
obtained sound signal; and

displaying a composed picture produces by composing said
frequency-analyzed picture and said selected picture.

14. The program storing medium according to claim 13, wherein
said step of displaying a composed picture produces said
composed picture by logically operating a picture element of said
frequency-analyzed picture and a corresponding picture element of
said selected picture.

15. The program storing medium according to claim 13, wherein
said step of displaying a composed picture changes a composing
method of said frequency-analyzed picture and said selected
picture on the basis of a level of said obtained sound signal.